ART. XIII. — The Pharmacopæia of the United States of America. Foarth Deceanial Revision. By authority of the National Convention for revising the Pharmacopæia, held at Washington, A. D. 1860. Philadelphia: J. B. Lippiacott & Co., 1863.

EACH nppearance of the United States Pharmacoperia at decennial periods may be said to inagurate a new epoch in the pharmacy of this country. The work is looked for with interest by the physician and the pharmaceatist as the guide by which ha is to be directed in his endeavours to mitigate the evils of disease, and with the expectation that, while retaining all that is good and that has been sanctioned by the experience of the past, it has been rendered additionally worthy of reliance by embodying the contributions made to science in the interim of its previous revision.

The present issue has been more than usuelly delayed, end it would appear that the unxiety of the public to possess the work has not been diminished by the postponement of its publication. The inquiry for it has been general and emphatic, hat perhaps with some weat of appreciation of the effort catalled upon the compilers, to whom, as a task of love for science purely, and with the willingness to reader their knowledge and skill profitable to their fellow citizens, the caterprise of gurnering up and patting into form the pharmaceatical improvements of a decenainl period has been intrasted. The revision and publication of this standard work is no small andertaking, and as stated in the preface, "the Committee of Revision nad Publication have realized this fact in the large amount of labour they have encountered in duly examining the mass of meterials, manuscript and printed, bearing upon the proper execution of their duties." In extenantion it may be further stated that the revision of the British Pharmacopæia, which was commeaced some time before that of the United States, has not vetheen fully completed.

It is our intention in the present notice to eater into an enalysis of the modifications and changes which have been introduced into our new National Anthority, and to make them as perspicaous to the reader us it is in our power to accomplish. The work is now before the commanity, and will be judged in accordance with its deserts. Its merits or demerits can only be fully estimated when practical experience has been brought to bear upon the numerous details which are presented, and tima will be required for the just appreciation of them. Until this has been done no

ealightened criticism can be indulged in.

With the view to facilitate the exposition of the alterations and amendments in the revision before ns, it will be expedient to arrange them in their natural order, or in accordance with the purposes and objects designed to be attained in the construction of a Pharmacopaia. By so doing we will be enabled to exhibit methodically, under their appropriate heads, the various items, and to give to them the force which is necessary to their proper comprehension. Upon this plan each alteration or sapposed improvement can be satisfactorily exhibited, with the statement of the reasons which have prompted its adoption.

A Pharmacopeia thea may be stated to be designed, first, to present a list of all the medicines which may be profitably employed in the practice of medicine, including those which have been long used and sanctioned by experience, as well as others which have attained sufficient notoriety to

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render them worthy of ennmeration. Our own Phnrmacopæin has classified medicines so as to pertain to the most important, which is called the primary list, or to a subordinate one which is termed the secondary list. When nn article has remained for a sufficient length of time in the secondnry, to test its value and to establish a decided reputation, it may be clevnted to the rank of the primary list, or if it has gone into disuse, mny be dismissed from either. In this way there is provision against reducedancy, and yet safety in securing the use of a reliable orticle of the materia medica. We are informed that "the list of the Materia Medica has ondergone the usual modifications of introductions and dismissions. Fifty-five medicines have been introduced, and twenty-six dismissed, as will appear by consulting the first and second tables appended to the work. Forty-two medicines have been added to the primary, and thirteen to the secondary list. It will he noticed that among the introduced articles a considerable number have not taken the usual course of promotion, but recommended, either hy later nutbority than that of the previous revision, or from long unofficinal employment and the convenience of substitution, have been thought worthy of being made officinal. Chromic acid, canna, chiretta, yeast, ignatia, leptaudra, carbooate of lithia, matico, pumpkin-seed, sulphote of maoganese, molasses ooder the name Syrupus Fuscus, whiskey designoted as Spiritus Frumenti, and a few others have been introduced, de novo, on the ground of strong testimony in their favour as remedial agents, while to others, ngain, us Inctic acid, nmylic nlcohol, glacial phosphoric acid, stronger nlcobol, orange flowers, belladonna root, commercial chloroform, gutta percha, &c., prominence has been given from the part they play in the formation of important preparations. Among the new articles of the secondary list will be found koosso, wnhoo, yellow jessumine, cotton root, and kamala.

From the primary list thirteen articles have been dismissed, and a similar nomber from the secondary. The term Cinchona, as upplied in n generic sense, has been discarded; and it will be found that the three varieties of pale, yellow, and red are alone anthorized. There is much that can be said for and against this alteration in the mode of designating einchoan So far as certainty can be seenred by designating a specific variety of burk, to be used by the upothecary, the present limitation to the three mentioned will be useful; but there are other kinds which are of great importance, which are by this course not recognized as officinal, and which formerly were embraced under n general head as Cinchona. These are cmployed largely by the manufacturer, and it is not intended to preclude their use in medicine. Very inferior kinds, however, would be interpreted to he included under so general a term, and it is to preclude their substitution for the most valuable kinds that the present step has been taken; perhaps it is the wisest plan in order to obvinte imposition. Most of the articles in both the lists which have been dismissed ore intriosically of little importnnce, or have given place to hetter forms of the same medicines. Lemon has been replaced by lemon-jnice, and amber is not used in the shop, as the oil is made by the munufacturer, and has taken its place by the side of other articles.

In this connection it may be proper to state that such medicines, as by the subdivision of labour are now furnished by the manufacturer, are enmerated in the list of them, having been transferred from the preparations. Five articles are thus treated, and as all must admit who are engaged in the dispensation, judiciously.

In connection with an exposition of reliable lists of medicines their nomenelatare is an important consideration, and this is hased for the most part upon the language of the sciences pertaining to the source from which the articles are respectively derived. It is essential that the nomenclature emplayed should be brief, clear, and at the same time expressive; and while it is admitted that perfection cannot be attained in this somewhat changing particular, still it may be stated that the authors of the first Pharmacopæia strived diligently to attain this. It would be convenient, in this essential feature, if all analogous works in the English language presented aniformity; hat the colleges of the British Empire have never conformed to the same principles with respect to aomeaclature, and the anthors of our work were therefore forced into the adoption of an independent method, embracing as far as possible the merits of all, with, it must be admitted, their nwn improvements. Aided by a hetter understanding of the views of each other, from inter-commanication of pharmacentical knowledge, there is no doubt that when the single British Pharmacopæia makes its appearance, a greater aniformity will be observable between it and our own with respect to nomenelature. The changes which are noticeable in the new revision are either general, iavolving a principle; or they are particular, pertaining simply to the change of name. The singular namber has been adopted in the place of the plaral: thus Foliam has been substituted for Folia, in association with aconite, belladonna, &c.; and this applies not only to the Latin, hat as for as practicable to the Eaglish names: thas almoud is used for almonds, cabeh for cabehs, fig for figs, natgall for galls, &c. Where several varieties of an article were formerly placed under a single name, this has been dropped and the special kiads designated: thas Aloe has been dropped and Aloc Barhadensis, Aloc Capensis, Alaa Sacotrina, introduced in the place of it. The generic name of the plant has always been assamed for the medician where only one species is employed, while if several were used the specific names designated tha varieties of the medicine. In redacing the varieties to a single one this rule has been exemplified: thus it has not been deemed essential to designate all the species of Erigeron, and that name has been made to subserve the purpose, so also with Asclepias and Ruhns. An exception occurs in the ease of Ulmus, which has been altered to Ulmas Fulva. On the contrary, the generic name has been broken np, as it were, into specific names, where these are more definite with reference to the article, as in the case of Sinapis, which has given place to Sinapis Albn and Sinapis Nigra. Where again only one portion of a plant is retnined as efficient, the generic name is solely used instead of the portion of it: thus Althea replaces Althea Radix; Coninm is used for Cunii Folia. Some names have been entirely altered, as, for instance, Calumbn is sabstitated for Colomba, Vinam Xericam for Vinam Album, and Vinum Portease for Vinam Rabrum.

Alteration of a omeaclatare is a ot confined to the lists of medicines; it is found in the preparations also. The termination aretum, except in salpharetum, has been altered to idam, which gives the new titles "cynnidum" and "ferroeymidum." Antimonii Salpharetum Praccipitatum has been changed to Antimonium Salpharetum, ia coasequence of the want of precision in the ingredients of the compound. Ferrum now comprises all forms of prie iron, and the time-honanred and time-sanctioned Dover's powder has heen altered from Palv. Ipecac. et Opii to Palvis Ipecacananha Compositas. As the Spiritus Ætheris Nitriei does not contain nitric acid, but the nitrons acid of the new arrangement of the compounds of nitrogen

and oxygen, it is now most satisfactorily denominated Spiritus Ætheris Nitrosi. Another change of name to which allasion ought to be made is of the iodide of mercary to green iodide of mercary. With respect to the names of salines the gender has been changed from masculine to feminine, "as conforming to the best latinity;" nad hence, when adjectives are used in connection with them, a corresponding change of the name is exhibited thus Argenti Nitras Fusa, &c. This alteration has been long called for hy thosa whose classical nicety was

offended in previous editions.

There is another circumstance to be noticed hefore dismissing this topic of alterations in nomenclature. There existed a series of English names, handed down from time immemorial, derived from vnlgar sonrees, which in reality had no other merit than their habitaal employment, and yet without accomplishing any definite parpose, while at the same time many officinal names were made to indicate the same sabstance as well in English as in Latin. This lutter practice has been extended, and it is questionable whether the whole collection of English vulgar anames might not have been profitably dispensed with. Augustura and Cascarilla well express the sabstances to which they are applied; to which have now been added Arnica instead of leopardshune, Calaums for sweet flag, Digitalis for forglove, &c. By this method we are freed from the synonomy and homonomy, which have been the bane of nomenclature, and which have led the public to think erroacously that prescriptions should be written in the veraacular, without comprehending that the full adoption of the language of science in the place of the veraa-

cular affords greater safety to the commanity.

The next object of a pharmacopæia is to present the hest forms for the ndministration of medicines, and in connection with them the most approved formulæ for securing efficiency in the officiaal preparations. The alphabetical arrangement has been followed in grouping the preparations, which npon the whole has the advantage of simplicity and convenience, and to some extent admits of scientific order. In every case of a metal or chemical snhstance, this, however, does not permit all of its preparations being placed under the general head; thus, for instance, the tinetare of the chloride of iron, iastead of being placed nader the head of Ferrom, has necessarily to be senarated and placed among the tinctures. A greater observance of the alphabetical arrangement in the classes will indeed be observed in this edition than heretofore: thus the tiactures of iodiae may be further cited ns being found, not under iodiae, but in the class mentioned along with sach as are prepared from vegetable substances. A similar transposition will be discovered in Liquores and other classes. Had a more strictly scientific plan been adopted it would have been impossible to avoid all incongruity.

In table third a list is given of the new preparations that have been introduced, which amount to the large number of one hundred and eleven. They are to be found throaghout the book nader their appropriate headings. Many of these medicines have been thought to present better forms for administration than some from the same article of the materia medical ong employed, while others again are so clearly improvements as to induce a substitution of them for former preparations. Under the title of Iron will be foaad chloride, citrate of iron and numonia, salphate of iron and numonia, attrate of irou und ammonia, eitrate of iron and quinia, lactate of iron, pyrophosphate of iron and dried salphate of iron, while under the head of Liquores will he noticed the solution of the citrate of

iron, solution of subsulphate of iron, and solution of tersulphate of iron, all being acrel in this revision, and with the old retained preparations of this metal, affording infinite latitade of selection. One may, in fact, conclude either that physicians have not lost faith in this article, or that the age of iron has come again. The iodide of iron has been dismissed in consequence of the difficulty of preserving it, and for the solution of the same the syrup has been abstituted, as the chemical character is best retained in this form.

Among the other preparations made officinal, may be observed purified oloes, valerianate of ammonia, atropia and its salphate, salphate of cadmiam, sulphate of cinchonia, ralerianate of qainia, and valerianate of ziac. Soatc more of the new preparations we shall have occasion to comment on when giving a carsory view of the modifications connected with the classes themselves. The preparations dismissed amont in nill to thirty-seven; many of them have become obsolete, while others have been replaced by better. Prepared calamine has been removed in consequence of the universally sophisticated anture of the article supplied by commerce, and the precipitated carbonate of zinc directed in its place, the Ceratum Calamine as o consequence has falled with it. The pulp of parging cassia is not needed, as the fruit itself is directed in the coofection of senana. Infusion of sarsaparilla is oot required, and the above reasons may be given

with respect to the entire list.

The classes of preparations, it will be perceived, have been remodelled; this has been called for by the namber of the preparations introduced, and thought to be expedient in interpolating them with the old. A necessity for change has also been catailed in coasequence of the adoption of some aew principles of grouping. As this feature of the work may give rise to some embarrassment, it will be well to dwell safficiently upon it. Each class is designated by the same of the preparation, latinized, in the plural, according to the usual system, or hy the name of the substance coastitoting the preporation and its combinations, or by the name of the substance which is the basis of all the preparations included under it. Hence we have Aceta, Æthera, Aqaæ, Decocta, Emplastræ, Extracta, &c., os classes, but we have Aloe, Ammonia, Atropia, Carbo, Collodiam, Morphia, Quinia, Strychaia, &c., also as classes. The remainder of them are designated by the nama of the metal to which they beloag, and ander sach designation come not only saline hodies of the metals proper, hat the alkalies and their combinations; thas under the class Hydrargyrum will be found tha preparations of mercury, while ander those of Sodium and Potassinm will be discovered tha salts of soda and potassa; such simplicity of arrangement has only been possible in these latter times, and certainly is remorkable as ao evideace of the advance and precision of chemical science. In the unme of the classes an alteration has been mude in a number of iastances, thus, Aqaæ Medicatæ is replaced by Agar, and Viaa Medicata hy Vina, and Carbo Animalis hy Carbo, Collodium has been mada a class, and the class Liquores is peculiar to this revision. In the former editions Liquores or solutions were placed under the head of each sabstance which they represented, hat as they have attained soma anmber, there exists ao reason why they should not be collected and made to represent a class. This alteration has been made upon the principle of presenting in the form of aqueous solution fixed bodies, all of chemical origia, while the class of Aqore embraces solations of volatile matter. To follow this rule it was accessary to call Aque Calcis, Liquor

Culcis, while Liquor Ammoniæ has been again placed ander the designation of Aqna, from which, ia oar opinion, it should aever have been taken. One anomaly exists in the class of liquores, which is that of Liquor Guttæ

Perchæ, n solution of the substance in chloroform.

Two other classes are new to this revision, viz., Oleo-resinæ and Resinæ. As stated in the preface, these "have well defined characters, and their introduction will meet with general approval. The oleo-resins were formerly confounded with the fluid extracts; of the five that are given, those of capsicum, lapulia, and ginger, are newly introduced. "The three resins, those namely of jalan, may-apple, and scammony, appear in the Pharmacopæia for the first time."

A remarkable peculiarity of the work is the great increase of the class of fluid extracts. It would appear as if fashion had exerted its influence in this direction, still there is much that can be said in their favour, the smallness of the dose that can be given, from concentration of the netive elements, and their convenience of employment in the place of other preparations, as well as for combination in prescriptions, render their possession highly important. There was nothing more difficult in past times than the ndministration of eimicifuga; the fluid extract of it now subserves the hest purpose. The old fashioned infusion of senna mny be dispensed with, and the fluid extract used for all its objects. In the case of ipecaenanha, the fluid extract will he found more effective than any other article. Another nrtiele to which we may refer, is the fluid extract of colchienm seed and of the root. Nineteen pages of the hook are given to these preparations, on which is recorded the method of forming twenty-five of them. Alcohol, or diluted nleohol, is the menstruum used in ull of them, and to a few a small quantity of neetie neid is added. The menstrum used in the oleo-resins is ether, which serves likewise us n mode of distinction between them nud the fluid extracts.

In the ulterations that have been made, some old and familiar preparations will he discovered under new titles. Thus it may be thought that sonp liniment has been forgotten, yet it will be found not us Tinetura Saponis Comphorata, but as Linimentum Saponis, among the liniments; Unguentum Simplex is now Unguentum Adipis, and Ceratum Simplex is Ceratum Adipis. It should be observed that the Liquor Poinsse Citratis has been reunmed Mistnra Potassæ Citratis, which comports better with the common name neutral mixture. Under the head of spirits and tinetures there have been mado several, ns we conceive, judicions transpositions. Thus, the nwkwnrd designation of Tinetara Olii Meuthæ Piperitæ, has been changed to Spiritus Menthæ Piperitæ, and so of Menthæ Viridis. It may he stated here that the elegant Spiritus Ammoniæ Aromaticus has been transferred to the class of Spiritus. Bay rnm will also be found as a new preparation in the primary list, under the title of Spiritus Myreiæ, from the name of the myrtle plant from which distilled, the Myrcia Acris. In explanation of some of the ulterations in the English names of preparations, it is stated that two plans were originally adopted in designating the cerates, liniments, mixtures, pills, plusters, and ointments :---

"Semetimes the initial word of the officinal title is the name of the chief sabstance present in the preparation; at other times it is the name of the class to which it belongs. Thus the Pharmacoperin of 1830, has cumphor liminent and liniment of tarpentine, ammoniac plaster and plaster of unmoniac with mereary, stramonium ointment, and ointment of belladonan, salphur ointment and ointment of todine, &c. In cases like these the committee have preferred

the nomenelature which gives precedence to the name of the class to which the preparation helongs, and necordingly they have made forty changes of this kind. The rule, however, was not made absolute, but exceptions were admitted in a few cases in which the present names have been settled by so long usage as to make it inexpedient to change them."

While new classes have been made, containing, perchance, but a single preparation which has given rise to it, others formerly containing but one bure heen cularged; thus under the denomination of Bismuthum we find the subcarbonate added to the submitrate, under Strychnia, the sulphate has heen introduced, under Aluminium dried alam and the sulphate of alumian, while alum itself has been transferred to the primary list as a manufactured commercial article. Collodium having been removed from the ethers, has been made the type of a class containing it and collodion with cantharides.

The nltcratious made in the formulæ must now occupy a portion of our nttention. The Acetum Opii has been slightly altered in composition. According to the old formula, it contained 73 $\frac{1}{13}$ grains of opium to the fluidounce; it is now directed to contain 75 grains, which is exactly twice the strength of landanum. The tinctures of opium in the former revision have been left undisturbed, but n new one has been made officianl under the name of Tinetura Opii Deodorata. It is to a ecrtain extent a reprodoction of the deonrectized landamm. The difference, however, consists in the formation, in the first iostauce, of an aqueous extract, separating from this the nurcotinn by means of other, and then by the addition of the proper nmount of water and alcohol producing a diluted tincture. It is intended ns a substitute for the nostrums now in the murket. It will be observed that diluted hydriodie, diluted nitromnrintie, diluted phosphoric, and sulplanrons acids are new preparations, the formulæ for which have been carefully prepared. The object of introducing commercial chloroform into the primary list of the materin medica was to direct attention to the difference between it and the purified article, which alone should he used for medicinal purposes. Under the designation of Chloroformum Purificatum which is the same as Chloroformum of the revision of 1850, a formula is given for the preparation from the common commercial article. This is so important a subject that sufficient stress can hardly be laid upon it. A formula is given for the Extractnm Ignatiae. This preparation has of late years become exceedingly popular with physicians, but made from no definite formula. It is now presented in n reliable form as n substitute for the extract of nux vomica, from which it differs io containing more largely of hrucia. It will be noticed that n new process has been adopted for the formation of the subnitrate of hismuth. The carbonato has been introduced, but it is prepared previously to the production of the present preparation, and used in The object of this process is to avoid the adulteration or presence of arsenie, which has in certain cases complicated the attempt to determine the source of arscuie found in the stomach, a subject some years since brought before the notice of the College of Physicians of Philadelphia, by Prof. R. E. Rogers, and which has attracted attention abroad. In the confection of senna it will be seen that the liquoriee root has been discarded, while some little alteration has been admitted with respect to the other ingredients.

The tartrate of nntimony and potassa is directed to he prepared by an entirely different process from that formerly nsed. A pure oxide of antimony is in the first place prepared and substituted for the oxychloride hitherto directed. This has also been introduced as an officinal preparation. To

prepare the oxide, the precipitate of the oxychloride is formed in the asual way, but sahsequently washed with water of ammonia. The object of this alteration of the process is to give a parer, and at the same time, as directed by the Pharmacopæia, a more ecoaomical product. Under the class Mellita is given a formula for Mel Boracis, which is a convenient preparation; and among the Pilis will be found the formula for Planmer's pills andeer the designation of Pilalæ Antimonii Compositæ. With respect to syrups it will be perceived that some useful modifications have been adopted. The simple syrup formula has been remodelled and a slightly weaker preparation formed, which readers it, if any change is effected, less liable to candy.

Distilled water is directed and the process improved.

A substitation has been made of the Tiactora Cardamomi Composita for the Tinet. Cinnamomi Composita, which is an admirable change, the former preparation, not heretofore officiaal, being a more elegaat ooe, and hoth and being wanted. Under the class Unguenta, olatment of henzoia has heen adopted. It is simply lard flavoured with the volatile lagredicats of henzoia, and antfords an aromatic basis for compound ointments extempora-acously directed. There has always been compound ointments extempora-acously directed. There has always been complaint with respect to the irritating antire of gall ointment, from the difficulty of redacing the nntigall to a sufficiently fine powder; as a substitute in case of irritable piles the ointment of taonic acid may be osed, which has additionally been made official. Tobacco ointment has a better formala than in the old revision. It is made with a watery extract of the drug. We may in coocluding our remarks apon the preparations, advert to an error to he found in the formula for wine of ergot. Instead of the two troy onnees in it, foar should have been directed: this is an inadvertence that can be corrected in the ste-

rectype plates very readily.

We must now pass to the remaining points to complete our notice; and the first to which attention may be directed, intimately connected with the formale for the preparations, is Weights and Measures. The question, which system of weights is most appropriate for a Pharmacopœia, is n quæstio vexata. In England it appears to have given rise to much perplexity. The Dahlio College has adopted the avoirdupois weight, hat as it is naderstood, this system, after finding favoor with the framers of the New British Pharmacopaia, has been discarded in coasequence of the outside pressure that has been brought to hear against it. There is an doaht of the advantage of having hat one set of weights, both for having and selling, and for medicinal preparations. Yet in England and this country castom has so irradically sanctioned two that it is importaat to diminish the evil as far as possible. The main difficulty is to abolish the avoirdapois from the shop of the apothecary, who has the ndvaatage of the lighter onnee pertaining to it in his sales, while inadvertently or by design this may be ased in the preparations. To obvinte this latter contingency all intermediate weights between troy grains and troy onnees have been discarded, and to bring constantly before the mind of the apotheeary the fact that troy weight is inteoded, the term troy is osed as the prefix to the words onaces and grains. There is here oo obscarity, and the avoirdapois onnce cannot he honestly resorted to. It is singular that fall sets of the troy weights are rarely kept in the shops, and above the drachm, caaaot be foaad. As they can readily be procured in accordance with government standards, for this there is no excase. With respect to this point we are told by the committee that the subject was a perplexing one.

"The final conclusion come to as to weights was to use exclusively in the formulas the grain and the troy onnee, the latter always printed troyounce, as one word. The term pound has been disused in them, in order to avoid the liability to mistakes from confounding the troy and avoirdapois pound; and the new word troyounce distinctly indicates a weight of four hundred and eighty graios, which cannot be replaced by the avoirdapois onnee through ignorance. Wice measure, as heretofore, is employed in all the formulas; the only change being the disuse of the term gallon, which measure, whenever it occurs in the Phormacopoio of 1850, is expressed in pluts. The adoption of imperial measure would have secured the advontages of uniformity with the liquid measure used throughout the British empire; but so long as the United States continue to legalize the wine measure, it is proper that physicians and apothecaries should conform to it."

Further, under the head of Preliminary Notices some directions are given which should not be overlooked. Thus, by gentle heat is meant any temperature between 90 and 100°; and when the specific gravity is mentioned the temperature assumed is 60°. The exact designation of the term saturation, and the direction for stoppinge of bottles should be attended to. The specifications for percolation and the process of displacement have been rewritten. The difficulties which invest this mode of exhausting substances of their active principles, must be removed by the plain directions which are there giveo, and os this mode is more oniversally employed than previously, it must be completely comprehended to render it avoilable. In concection with displacement it is proper to state that whee the word "macerate" is employed, it means simply to soak or steep, without any reference to temperature; and when the word "digest" is used, it means in connection with soaking, the maintenance of a temperature from 150 to 200° Fahr.

Precision has also been introduced with respect to the "Fineness of Powders." "For this purpose the terms very fine, fine, moderately fine, moderately conrse, and course, are used—the powder passed through a siero of eighty or more meshes to the linear inch, being designated as—very fine, through one of sixty meshes fine, through one of fifty meshes moderately fine, through one of forty meshes moderately coarse, and through one of twenty meshes coarse. For the covocioce of opothecaries, sieves so coostrocted and labelled might be introduced, and tho above terms thus stamped

upon the minds of oll munipolators in medicinel erticles.

A point ought to be odverted to which has been considered of some importance by pharmacentists. It is the accentantion of the Latin pharma-

centical names, which will be found in the index.

We here closo our somewhat lengthy review of the revision of the United States Pharmacopæin of 1860. First and last, at least five years have been occopied by the varions societies who have contributed to it, and hy the Committee of Pahlication. That every pains has been taken to render it worthy of the scientific bodies engaged apon it, and of the aution, there can ho no doult. It has cost moch labour, research, and reflection, and in the same spirit with which the work has heen execoted must it be criticized. The motto which might have been appropriately adopted for the title page, and which would here a prospective signification with reference to the next revision, is

"Si quid novisti rectius istis Candidus imperii; si uon his utere mecum."